

# Iowa Crops & Weather



Iowa Agricultural Statistics  
210 Walnut, Room 833 • Des Moines, Iowa 50309-2195  
515-284-4340 • 1-800-772-0825 • FAX 515-284-4342 • [nass-ia@nass.usda.gov](mailto:nass-ia@nass.usda.gov)  
To access NASS reports - <http://www.usda.gov/nass/>



Issued July 21, 2003

Vol. 03-20

For the week ending July 20, 2003

## Crop Growth Continues

Agricultural Summary: Warm temperatures and humid nights provided favorable crop growth conditions last week. The main field activities were finishing herbicide applications in soybeans and cutting alfalfa hay for second harvest. Insects were the dominant concern in hay fields, where treatments for leafhoppers were applied. On average, corn grew 11 inches during the past week.

There were 5.8 **days suitable for fieldwork**, compared to 2.5 days last week and 6.2 days last year at this time. **Topsoil moisture** rated 1 percent very short, 12 percent short, 78 percent adequate, and 9 percent surplus across Iowa. **Subsoil moisture** rated 3 percent very short, 15 percent short, 75 percent adequate, and 7 percent surplus.

Field Crops Report: The **oat acreage turning color** was 96 percent, and the **oat acreage harvested for grain** was 15 percent. Oat harvest is behind last year's progress of 50 percent and the 5-year average of 33 percent completed. **Oat** condition rated 1 percent very poor, 3 percent poor, 16 percent fair, 63 percent good, and 17 percent excellent. The **average corn height** for Iowa was 71 inches, while the **tallest corn height** was 83 inches. The **corn acreage tasseled** was 53 percent, and the **corn acreage silked** was 32 percent. **Corn** condition rated 1 percent very poor, 3 percent poor, 12 percent fair, 54 percent good, and 30 percent excellent. The **soybean acreage blooming** was 62 percent. The **soybean acreage setting pods** was 13 percent. **Soybean** condition rated 1 percent very poor, 3 percent poor, 14 percent fair, 58 percent good, and 24 percent excellent. The **second cutting of alfalfa hay** was 71 percent complete. **Hay** condition rated 1 percent very poor, 5 percent poor, 17 percent fair, 61 percent good, and 16 percent excellent.

Livestock, Pasture, and Range Report: Overall livestock condition was good; however, flies continued to be a problem and daily gains

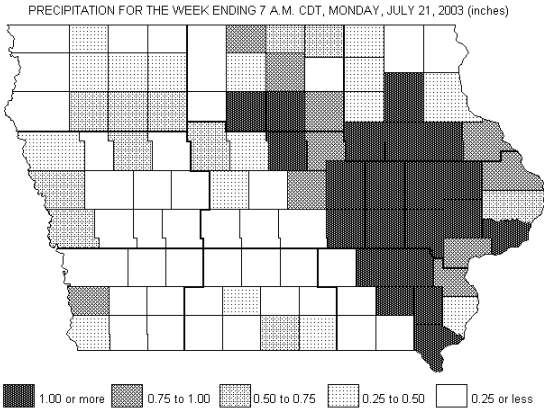
were not as large due to warm weather. **Pasture and Range** condition rated 2 percent very poor, 7 percent poor, 24 percent fair, 55 percent good, and 12 percent excellent.

## Iowa Weather Summary

Daytime temperatures were in the 80's and 90's across southwest Iowa throughout the week reaching highs of 97 degrees at Glenwood, Logan and Sidney on Thursday (17th) and at Shenandoah on Sunday (20th). Much cooler air edged into northern and eastern Iowa on Friday (18th) and Saturday (19th) with daytime highs on Friday only in the 70's while Lowden reported a Saturday morning low of 47 degrees. Otherwise afternoon temperatures in northern and eastern portions of Iowa were mainly in the 80's during the week. Temperatures for the week as a whole averaged from 4.9 degrees above normal at Omaha-Council Bluffs down to 2.9 degrees below normal at Cedar Rapids and Dubuque.

Meanwhile, rain fell across portions of the eastern two-thirds of Iowa late Monday (14th) into Tuesday (15th) morning with a few very isolated reports of severe weather. Isolated showers dotted southern Iowa on Wednesday (16th) while a complex of thunderstorms brought rain and some severe weather to parts of central and southeast Iowa early Thursday (17th). Finally, the most widespread precipitation event of the week came on Sunday (20th) when thunderstorms were scattered throughout the state. Severe weather was reported from 18 counties with these late weekend storms with most reports from northwest and east central Iowa. Despite frequent thunderstorm activity during the week the areal coverage of these storms was not great. Several locations across southern Iowa, as well as in extreme northeast Iowa, recorded no rain during the week. Anamosa reported the most rain with 2.73 inches. The statewide average precipitation was 0.53 inches or a little more than one-half of the weekly normal of 0.97 inches.

| Statewide Crop Conditions as of July 20, 2003 |                |                |                |                |                |
|---|----------------|----------------|----------------|----------------|----------------|
| Item  | Very Poor      | Poor           | Fair           | Good           | Excellent      |
|   | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Corn  | 1              | 3              | 12             | 54             | 30             |
| Hay, all                                      | 1              | 5              | 17             | 61             | 16             |
| Oats  | 1              | 3              | 16             | 63             | 17             |
| Range & Pasture                               | 2              | 7              | 24             | 55             | 12             |
| Soybeans                                      | 1              | 3              | 14             | 58             | 24             |



| Field Work and Crop Progress as of July 20, 2003 |                |                |                |                |                |                |                |                |                |                |                |                |                |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Item   | Districts      |                |                |                |                |                |                |                |                | State          | Last Week      | Last Year      | Normal         |
|  | NW             | NC             | NE             | WC             | C              | EC             | SW             | SC             | SE             |                |                |                |                |
|  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  | <i>Inches</i>  |
| Corn, tallest height                             | 84             | 81             | 82             | 81             | 84             | 84             | 84             | 84             | 93             | 83             | 73             | 83             | 74             |
| Corn, average height                             | 73             | 70             | 68             | 70             | 72             | 73             | 74             | 69             | 75             | 71             | 60             | 72             | 60             |
|  | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Corn tasseled                                    | 56             | 57             | 40             | 50             | 63             | 47             | 57             | 51             | 58             | 53             | 10             | 76             | 67             |
| Corn silked                                      | 38             | 40             | 20             | 23             | 37             | 20             | 37             | 33             | 37             | 32             | 3              | 57             | 48             |
| Soybeans blooming                                | 62             | 68             | 77             | 63             | 58             | 63             | 63             | 32             | 49             | 62             | 30             | 84             | 75             |
| Soybeans setting pods                            | 3              | 20             | 42             | 10             | 7              | 5              | 22             | 4              | 6              | 13             | 1              | 25             | 23             |
| Oats turning color                               | 98             | 94             | 94             | 93             | 93             | 97             | 98             | 97             | 98             | 96             | 70             | 99             | 96             |
| Oats harvested for grain                         | 25             | 11             | 3              | 22             | 15             | 16             | 31             | 23             | 29             | 15             | 2              | 50             | 33             |
| Hay, alfalfa - second crop harvested             | 85             | 66             | 64             | 72             | 65             | 70             | 85             | 67             | 77             | 71             | 40             | 73             | 64             |

| Days Suitable & Soil Moisture Condition as of July 20, 2003 |                |                |                |                |                |                |                |                |                |                |                |                |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Item  | Districts      |                |                |                |                |                |                |                |                | State          | Last Week      | Last Year      |
|   | NW             | NC             | NE             | WC             | C              | EC             | SW             | SC             | SE             |                |                |                |
|   | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    | <i>Days</i>    |
| Days suitable   | 5.5            | 4.8            | 6.1            | 6.3            | 5.4            | 5.9            | 6.6            | 6.7            | 5.4            | 5.8            | 2.5            | 6.2            |
|   | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Topsoil moisture  |                |                |                |                |                |                |                |                |                |                |                |                |
| Very short  | 0              | 0              | 0              | 1              | 0              | 1              | 6              | 5              | 2              | 1              | 1              | 24             |
| Short   | 6              | 1              | 10             | 15             | 4              | 5              | 24             | 34             | 20             | 12             | 5              | 41             |
| Adequate  | 82             | 73             | 83             | 80             | 91             | 87             | 69             | 56             | 69             | 78             | 76             | 32             |
| Surplus   | 12             | 26             | 7              | 4              | 5              | 7              | 1              | 5              | 9              | 9              | 18             | 3              |
| Subsoil moisture  |                |                |                |                |                |                |                |                |                |                |                |                |
| Very short  | 0              | 0              | 1              | 2              | 0              | 1              | 8              | 11             | 4              | 3              | 2              | 27             |
| Short   | 3              | 1              | 9              | 11             | 4              | 9              | 27             | 43             | 43             | 15             | 10             | 39             |
| Adequate  | 93             | 71             | 84             | 76             | 91             | 87             | 64             | 45             | 51             | 75             | 73             | 33             |
| Surplus   | 4              | 28             | 6              | 11             | 5              | 3              | 1              | 1              | 2              | 7              | 15             | 2              |

| Weather Summary For Iowa Agricultural Statistics Service<br>Prepared by AWIS, Inc.<br>For the week ending: Sunday, July 20, 2003 |                        |    |     |     |               |       |               |       |              |     |
|--|------------------------|----|-----|-----|---------------|-------|---------------|-------|--------------|-----|
| STATION  | CURRENT WEEK           |    |     |     |               |       | SINCE APRIL 1 |       | CURRENT WEEK |     |
|  | TEMPERATURE            |    |     |     | PRECIPITATION |       | PRECIPITATION |       | GDD BASE 50F |     |
|  | HI                     | LO | AVG | DFN | TOTAL         | DFN   | TOTAL         | DFN   | TOTAL        | DFN |
| Estherville<br>Sioux Center<br>Spencer<br>Spirit Lake  | North West District    |    |     |     |               |       |               |       |              |     |
|  | 86                     | 57 | 72  | -1  | 0.01          | -0.76 | 14.23         | 1.76  | 157          | 3   |
|  | 92                     | 57 | 75  | 2   | 0.00          | -0.77 | 16.50         | 3.79  | 179          | 11  |
|  | 87                     | 53 | 73  | -1  | 0.02          | -0.94 | 13.59         | 0.76  | 161          | -2  |
|  | 87                     | 60 | 73  | 1   | 0.29          | -0.55 | 12.22         | -0.16 | 165          | -17 |
| Britt<br>Humboldt<br>Mason City<br>Northwood   | North Central District |    |     |     |               |       |               |       |              |     |
|  | 84                     | 57 | 71  | -3  | 0.47          | -0.51 | 18.30         | 4.34  | 152          | -12 |
|  | 87                     | 59 | 72  | -3  | 0.16          | -0.81 | 21.07         | 6.85  | 159          | -9  |
|  | 85                     | 52 | 71  | -3  | 0.96          | -0.02 | 16.21         | 1.81  | 150          | -11 |
|  | 85                     | 55 | 71  | -3  | 0.00          | -0.91 | 16.89         | 3.36  | 147          | -14 |
| Decorah<br>Dubuque<br>Elkader<br>Independence<br>Waterloo  | North East District    |    |     |     |               |       |               |       |              |     |
|  | 88                     | 51 | 71  | -3  | 0.00          | -0.91 | 12.37         | -1.78 | 150          | -11 |
|  | 86                     | 50 | 70  | -3  | 0.06          | -0.85 | 13.02         | -1.68 | 143          | -15 |
|  | 89                     | 50 | 71  | -2  | 0.10          | -0.88 | 18.86         | 5.16  | 149          | -38 |
|  | 89                     | 52 | 69  | -4  | 0.44          | -0.61 | 19.78         | 5.00  | 137          | -48 |
|  | 91                     | 56 | 75  | 2   | 0.38          | -0.74 | 17.61         | 2.56  | 177          | 12  |
|  | West Central District  |    |     |     |               |       |               |       |              |     |
|  | 92                     | 57 | 74  | -3  | 0.00          | -0.90 | 15.25         | 0.76  | 170          | -12 |
|  | 94                     | 60 | 75  | 1   | 0.00          | -0.98 | 17.05         | 1.58  | 174          | 6   |
|  | 92                     | 63 | 76  | 2   | 0.00          | -0.70 | 13.46         | -0.11 | 185          | 22  |
| Guthrie Center<br>Harlan<br>Jefferson<br>Logan<br>Rockwell City<br>Sioux City  | 93                     | 57 | 74  | -2  | 0.00          | -0.78 | 15.57         | 0.83  | 172          | -3  |
|  | 94                     | 59 | 75  | -1  | 0.00          | -0.84 | 14.09         | -0.30 | 175          | 7   |
|  | 92                     | 60 | 74  | 0   | 0.00          | -0.98 | 22.24         | 6.77  | 171          | 3   |
|  | 97                     | 57 | 77  | 0   | 0.00          | -0.77 | 17.57         | 3.45  | 190          | 6   |
|  | 90                     | 55 | 72  | -3  | 0.19          | -0.79 | 20.74         | 6.48  | 158          | -17 |
|  | 92                     | 62 | 77  | 2   | 0.00          | -0.73 | 14.84         | 2.95  | 191          | 9   |
|  | Central District       |    |     |     |               |       |               |       |              |     |
|  | 90                     | 57 | 74  | 0   | 0.03          | -1.02 | 17.64         | 1.99  | 168          | 0   |
|  | 91                     | 60 | 75  | 0   | 0.33          | -0.50 | 21.18         | 5.58  | 174          | 4   |
|  | 93                     | 65 | 78  | 1   | 0.16          | -0.68 | 17.10         | 3.16  | 196          | 7   |
| Ames<br>Boone<br>Des Moines<br>Eldora<br>Marshalltown<br>Newton<br>Perry<br>Toledo   | 90                     | 58 | 73  | -2  | 0.42          | -0.59 | 18.69         | 3.53  | 161          | -7  |
|  | 89                     | 56 | 73  | 0   | 0.73          | -0.20 | 16.99         | 2.24  | 165          | -3  |
|  | 92                     | 59 | 73  | -2  | 0.05          | -0.79 | 18.76         | 4.27  | 164          | -11 |
|  | 91                     | 62 | 75  | 1   | 0.02          | -0.81 | 21.07         | 6.41  | 177          | 7   |
|  | 89                     | 56 | 71  | -3  | 0.57          | -0.41 | 15.84         | 0.79  | 150          | -16 |
|  | East Central District  |    |     |     |               |       |               |       |              |     |
|  | 90                     | 53 | 72  | -3  | 0.05          | -0.86 | 15.03         | 0.87  | 157          | -17 |
|  | 89                     | 50 | 72  | -5  | 0.05          | -0.79 | 13.33         | -0.48 | 153          | -29 |
|  | 92                     | 53 | 73  | -5  | 0.05          | -1.07 | 11.55         | -3.92 | 163          | -25 |
|  | 93                     | 47 | 71  | -3  | 0.00          | -0.98 | 10.90         | -4.70 | 150          | -18 |
| Cedar Rapids<br>Davenport<br>Iowa City<br>Lowden<br>Maquoketa<br>Muscatine   | 89                     | 48 | 69  | -5  | 0.02          | -0.75 | 11.82         | -2.19 | 136          | -27 |
|  | 92                     | 54 | 72  | -5  | 0.00          | -0.98 | 15.63         | 0.92  | 156          | -4  |
|  | South West District    |    |     |     |               |       |               |       |              |     |
|  | 92                     | 58 | 76  | -1  | 0.05          | -1.07 | 14.91         | -0.92 | 185          | 3   |
|  | 97                     | 63 | 79  | 3   | 0.92          | 0.08  | 15.72         | 0.82  | 205          | 21  |
|  | 92                     | 60 | 76  | 2   | 0.02          | -0.85 | 14.39         | 0.05  | 186          | 11  |
|  | 94                     | 62 | 78  | 2   | 0.08          | -0.90 | 15.11         | -0.93 | 197          | 8   |
| Clarinda<br>Glenwood<br>Oakland<br>Red Oak<br>Sidney   | 97                     | 65 | 79  | 3   | 0.06          | -1.06 | 11.85         | -2.88 | 207          | 17  |
|  | South Central District |    |     |     |               |       |               |       |              |     |
|  | 90                     | 61 | 75  | -2  | 0.27          | -0.78 | 14.35         | -0.43 | 175          | 28  |
|  | 91                     | 63 | 76  | 2   | 0.14          | -0.84 | 12.29         | -2.19 | 184          | 8   |
|  | 92                     | 56 | 74  | -2  | 0.08          | -0.92 | 15.95         | 0.55  | 171          | -6  |
| Allerton<br>Beaconsfield<br>Chariton<br>Indianola<br>Leon  | 91                     | 59 | 75  | -1  | 0.06          | -0.80 | 20.13         | 5.22  | 177          | 2   |
|  | 91                     | 56 | 74  | -2  | 0.14          | -0.77 | 16.10         | 1.16  | 171          | -11 |
|  | South East District    |    |     |     |               |       |               |       |              |     |
|  | 93                     | 60 | 75  | -2  | 0.00          | -1.05 | 16.76         | 1.97  | 178          | -6  |
|  | 89                     | 58 | 74  | -2  | 0.77          | -0.21 | 14.86         | 0.72  | 172          | -10 |
|  | 93                     | 57 | 75  | -3  | 0.08          | -0.96 | 13.00         | -0.96 | 174          | -15 |

Precipitation (rain, melted snow or ice) in inches. Precipitation Days = Days with precipitation of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit. Copyright 2003: AWIS, Inc. All Rights Reserved.